

# 6.2 Network Security



## TECHNICAL APPROACH:

- Leverage commercial products to provide on-air user authentication, intruder detection and access control
  - PKI
  - Digital Certificates
  - Elliptical key encryption
- Develop authentication protocols

PERFORMER: Rockwell-Collins

## OBJECTIVE:

- Provide low-overhead communications network security for vehicles and dismounted Marines.
- Provide tools for:
  - User authentication
  - Preventing and detecting unauthorized access
  - Low-overhead encryption

## PAYOFF:

- Allow implementation of network-centric architectures, i.e., FORCEnet and JTRS.
- Allow use of a single network for multiple classifications levels (long-term goal)

Tasks	FY03	FY04	FY05	FY06
Develop tools	△	△		
Test		△	△	
Integrate		△	△	
Demonstrate			△△	

Transition: JTRS; PM Comms